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(71) Applicant (for all designated States except US): KONIN-
KLIJKE PHILIPS ELECTRONICS N.V. [NL/NL];
Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): ZHONG, Zhun
[US/US]; P.O. Box 3001, Briarcliff Manor, NY
10510-8001 (US).

(74) Common Representative: KONINKLIJKE PHILIPS
ELECTRONICS N.V.; c/o Halajian, Dicran, P.O. Box
3001, Briarcliff Manor, NY 10510-8001 (US).

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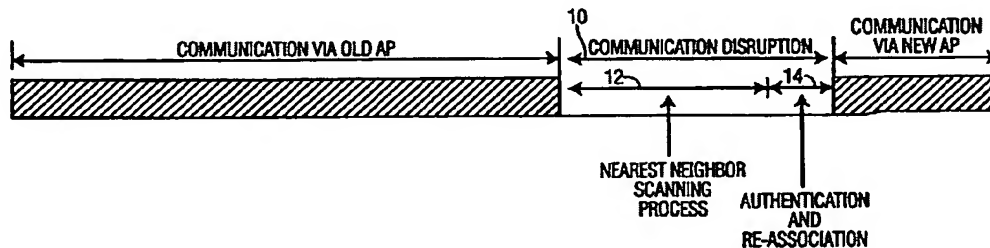
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ning of each regular issue of the PCT Gazette.

(54) Title: SYSTEM AND METHOD FOR PERFORMING A FAST HANDOFF IN A WIRELESS LOCAL AREA NETWORK



(57) **Abstract:** Disclosed is a system and method for performing a fast channel scan so as to minimize the communication disruption period (10) which occurs during a handoff of a mobile station (STA) (20-23) in a wireless local area network (WLAN) (100). Each mobile station (STA) includes an associated nearest-neighbor table identifying nearest-neighbor APs (14-16) in the network to the AP with which the STA is currently associated. When a STA (20-23) performs a handoff, its nearest-neighbor table is used to perform a prioritized search of those channels of operation included in the table belonging to nearest-neighbor APs (14-16). In this manner, by prioritizing the search to first search the channels of operation belonging to nearest-neighbor APs (14-16), there is a greater likelihood of locating a candidate ap (14-16) to form an association with in less time as compared with the prior art search method of blindly searching each and every operating channel in the network.

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